ABSTRACT

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This invention is to provide a kind of cyanine-TCNQ complex dyes mixture (II, III, and IV) used as the data storage media having the structural formula (I):

 $Q \longrightarrow CH - CH = CH \longrightarrow D \qquad (I)$

wherein Q and Q' denote aromatic or polyaromatic, R1 and R2 are selected from the group consisting of alkyl, arylester, alkoxy, alkylthio, and alkoxythio etc., n represents an integer of 0, 1, 2, and 3, TCNQ-m represents 7, 7', 8, 8'-tetracyanoquinodimethane or its derivatives, and m represents an integer of 1 or 2. They can be used as the recording layer materials for the reflection optical recording media and the non-reflection fluorescent optical recording media after the suitable formulation.